EXPRESS MAIL CERTIFICATE OF MAILING (37 CFR 1.10) Express Mail No.: EV332070244US			Docket No. 71044-014					
Applicant(s): Heizer, Charles K.		•						
Serial No. TBA	Filing Date Herewith	Examiner TBD	Group Art TBD					
Title: GAPLESS SCREW ROTO	OR DEVICE		17497 U.S. PTO 10/810513					
<u>TO :</u>	THE COMMISSIONER OF PATE	ENTS AND TRADEMA	-					
Specification (∠9 □ Drawings (17 pgs □ Declaration/Powe □ 37 CFR Stateme □ Assignment and □ Petition to Make □ Initiated Interview □ Declaration of Ch □ Transmittal of Inf □ Application Data □ Check in the amo □ Assignment Reco	er of Attorney ont 3.73(b) Recordation Form Cove Special Due to Applicar v narles K. Heizer formation Disclosure Sta	er Sheet nt's Age and Re atement, Form for Large entity nce of <u>\$1,612.00</u>	1449 and References patent application and					
Huseh 9 Eppenberger 1	10	I certify that the doc	ument and fee is being deposited on with the U.S. Postal Service as					

Husch & Eppenberger, LLC 190 Carondelet Plaza St. Louis, MO 63105 314-480-1500 314-480-1505 FAX

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MAIL STOP: PATENT APPLICATION, Commissioner for

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Signature of Person Mailing Correspondence

Dennis J.M. Donahue, III
Typed or Printed Name of Person Mailing Correspondence

P16B/REV01

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UTILITY Attomey Docket No. 71044-014 PATENT APPLICATION First Inventor -Heizer, Charles K. **TRANSMITTAL** GAPLESS SCREW ROTOR DEVICE (Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail No. EV 332070244 US

APPLICATION ELEMENTS					MAIL ST	OP PATENT A	APPLICAT	ION
See MPEP chapter 600 concerning utility patent		DE	RESS	TO:		sioner for Pate		Box 1450
application contents.					Alexandi	ria, VA 22313-	-1450	
 Applicant claims small entity status. See 37 CFR 1.27. Specification [Total Pages 69] 	5. 6.	N	Compi ucleotide	uter Program and/or Amino	(<i>Appendix</i> Acid Sequ	e, large table or () uence Submissio	on	
(preferred arrangement set forth below) Descriptive title of the invention		(" a.		<i>e, all necess</i> omputer Rea		~ (CBE)		
☐ Cross Reference to Related Applications		a. b.		ication Sequ				
☐ Statement Regarding Fed sponsored R & D		U.	i.			y on. ·R (2 copies); or		
☐ Reference to sequence listing, a table, or a computer program listing appendix			ii.			11 (2 copico), oi		
☑ Background of the Invention		C.	S	atements ve	rifying iden	tify of above cop	oies	
 ☑ Brief Summary of the Invention ☑ Brief Description of the Drawings (if filed) 						APPLICATIO		3
☐ Description ☐ Claim(s)	7	. [2	7			Form Cover She		
Abstract of the Disclosure	8	. 🛭	37 CF	R 3.73(b) Sta	tement			
3. Drawing(s) (35 U.S.C. 113) [Total Sheets 17]	9	. 🛭	Power	of Attorney				
4. Oath or Declaration [Total Pages 2]	10). [<u>]</u>	Transr	mittal of Infor	mation Dis	closure Stateme	nt, Form 14	149
a. Newly executed (original or copy) b. Unexecuted			Petition to Make Special Due to Applicant's Age & Reque Applicant Initiated Interview					
c. Copy from a prior application (37 CFR 1.63 (d))	1:	2. 🛭	Declai	ation of Cha	rles K. Heiz	zer		
(for continuation/divisional with Box 17 completed) i. DELETION OF INVENTOR(S)			13. Return Receipt Postcard 14. Certificate of Express Mailing					
1.63(d)(2) and 1.33(b).	16	16. Certified Copy of Priority Document						
	17	7. [Non P	ublication Re	quest und	er 35 U.S.C. 122	!	
			18. Check					
			Other:					
 If a CONTINUING APPLICATION, check appropriate box, and supply to or in an Application Data Sheet under 37 CFR 1.76: 	he re	quisi	te informati	on below and ii	n a prelimina	ary amendment,		
Continuation Divisional Continuation-in-	art (0	CIP)	of	prior application	n No.:	10/283,421		
Prior application information: Examiner Trieu, Theresa For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure				Group Art Uni	: 3748			
considered a part of the disclosure of the accompanying continuation only be relied upon when a portion has been inadvertently omitted from	or di	visio	nal applica	ation and is be	rehy incorn	or declaration is s porated by referen	ce. The inc	er Box 5b, is orporation <u>can</u>
18. CORF	RESF	ON	DENCE A	DDRESS				
Customer Number or Bar Code Label Customer Number or Bar Code Label Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here)						Correspondence addre	ess below	
Name Dennis J.M. Donahue, III, 43,591								
Husch & Eppenberger, LLC								
Address 190 Carondelet Plaza								
City St. Louis		S	tate	МО		Zip Code	6310	5
Country U.S.A.		Tel	lephone	314-480-1	500	Fax	314-4	80-1505

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary dependig upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FRMS TO THIS ADDRESS. SEND TO: ASSISTANT COMMISSIONER for Patents, Box Patent Application, Washington, D.C. 20231

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PATENT APPLICATION FEE DETERMINATION RECORD Application or Docket Number 71044-014									
CLAIMS AS FILED-PART I			CLAN	1 1011	rimi.	O.D.	OTHER THAN		
		(Column 1)	(Column 2)	SMAL	SMALL ENTITY RATE FEE		OR	SMALL ENTITY	
FOR	NUMBER	FILED	NUMBER EXTRA	R.A				RATE	·
BASIC FEE (37 CFR 1.16(a))				1		\$0.00	-		\$770.00
TOTAL CLAIMS (37 CFR 1.16(c))	110	minus 20 =	90	x \$9.0	0 =	\$ 0.00	OR	x \$18.00 =	\$1,620.00
INDEPENDENT CLAIMS (37 CFR 1.16(b))	7	minus 3 =	4	x \$43	.00 =	\$ 0.00	OR	x \$86.00 =	\$ 344.00
MULTIPLE DEPENDENT	CLAIM PRE	SENT (37 CFR 1.16	(d))	+ \$14:	5.00 =		OR	+ \$290.00 =	
* If the difference in column 1 i	s less then zer	o, enter "0" in column	12	то	ΓAL	\$ 375.00	OR	TOTAL	\$2,734.00

\boxtimes	A check in the amount of \$ 1,162.00 (\$1,122.00 Patent application fee plus \$40.00 assignment recordation) is
	attached.

Dated: 3/26/04

The Commissioner is hereby authorized to charge and credit Deposit Account No. 08-3460 as described below. A duplicate copy of this sheet is enclosed.

21.77

- ⊠ Charge the amount of \$1,612.00
- Credit any overpayment.
- Charge any additional fee required.

Dennis J.M. Donahue, III, 43,591 Husch & Eppenberger, LLC 190 Carondelet Plaza St. Louis, MO 63105 314-480-1500

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Express Mail No. EV 332070244 US

Signature of Person Mailing Correspondence

Dennis J.M. Donahue, III
Typed or Printed Name of Person Mailing Correspondence

Interview Requested Prior to First Office Action in Continuation Application								
Application No.: <u>TBD</u> First Named Applicant: <u>HEIZER, Charles K.</u> Examiner: <u>TBD</u> Art Unit: <u>TBD</u> Status of Application: <u>Filed Herewith</u>								
Applicant hereby requests an interview prior to the first office action for the above identified continuation application and submits that this request is made in a timely manner in accordance with MPEP 713.02.								
Tentative Participants: (1) Dennis JM Donahue III 43,591 (2) Charles	K. Heizer, In	ventor						
(3) <u>Assigned Patent Examiner</u> (4) Proposed Date of Interview: <u>Before First Office Action</u> Proposed Time: <u>10:00</u> (<u>AM/PM</u>) Type of Interview Requested:								
(1) [] Telephonic (2) [X] Personal (3) []Video Conference Exhibit To Be Shown or Demonstrated: [X] YES [] NO If yes, provide brief description: A prototype screw rotor will be shown and its operation will be demonstrated.								
Issues To Be Dis	cussed							
Issues Claims/ Prior (Rej., Obj., etc) Fig. #s Art	Discussed	Agreed	Not Agreed					
(1)	[]	[]	[]					
(2)	[]	[]						
(3)	[]	[]						
(4)	[]	[]	[]					
[] Continuation Sheet Attached								
Brief Description of Arguments to be Presented: The present invention solves a technical problem for screw rotor devices that had previously been thought to be impossible to solve. In particular, many prior art inventions teach ways to reduce gaps and leaks in screw rotor devices. Most prior art screw rotors suffer from the same problem, a blow hole gap, the only exception being a single-pitch screw rotor, also invented by the present inventor. The present invention eliminates the blow hole gap for single-pitch and multiple pitch screw rotors.								
An interview was conducted on the above-identified application on								
NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP§ 713.01). This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible. **Lennus Jm Jucque 47,591** (Applicant's Representative Signature)* (Examiner/SPE Signature)								
(Applicant's Representative Signature)	(Exai	miner/SPE Si	gnature)					